



>>Entry Name: 4-Amino-2-bromophenol, 9Cl, 8Cl

CAS Registry Number: 16750-67-7

Molecular Formula: C₆H₆BrNO

Molecular Weight: 188.023

Accurate Mass: 186.983275

Percentage Composition: C 38.33%; H 3.22%; Br 42.50%; N 7.45%; O 8.51%

Physical Description: Pale-brown needles

Melting Point: Mp 165°

>>Derivative: *N*-Ac

Molecular Formula: C₈H₈BrNO₂

Molecular Weight: 230.061

Accurate Mass: 228.99384

Percentage Composition: C 41.77%; H 3.50%; Br 34.73%; N 6.09%; O 13.91%

Physical Description: Needles

Melting Point: Mp 157°

>>Derivative: Me ether

Synonym(s): 3-Bromo-4-methoxybenzenamine, 9Cl. 3-Bromo-4-methoxyaniline. 3-Bromo-*p*-anisidine. 4-Amino-2-bromoanisole

CAS Registry Number: 19056-41-8

Molecular Formula: C₇H₈BrNO

Molecular Weight: 202.05

Accurate Mass: 200.998925

Percentage Composition: C 41.61%; H 3.99%; Br 39.55%; N 6.93%; O 7.92%

Physical Description: Leaflets

Melting Point: Mp 64°

pKa Value: pK_{a1} 4.08 (23°)

>>Derivative: Me ether; hydrochloride

Melting Point: Mp 254-255°

>>Derivative: Me ether, *N*-Ac

Melting Point: Mp 111°

>>Derivative: Et ether

Synonym(s): 3-Bromo-4-ethoxyaniline. 3-Bromo-*p*-phenetidine. 4-Amino-2-bromophenetole

Molecular Formula: C₈H₁₀BrNO

Molecular Weight: 216.077

Accurate Mass: 215.014575

Percentage Composition: C 44.47%; H 4.66%; Br 36.98%; N 6.48%; O 7.40%

Melting Point: Mp 47°

Boiling Point: Bp₂₀ 189°

>>Derivative: Et ether; hydrochloride

Melting Point: Mp 256-257 dec.°

>>Derivative: Et ether, *N*-Ac

Synonym(s): 3-Bromo-4-ethoxyacetanilide. 2-Bromophenacetin

Molecular Formula: C₁₀H₁₂BrNO₂

Molecular Weight: 258.114

Accurate Mass: 257.02514

Percentage Composition: C 46.53%; H 4.69%; Br 30.96%; N 5.43%; O 12.40%

Melting Point: Mp 114°

References: